

# Lab - Jupyter Notebook - The Basics

Effort: 20 mins

## Objective

In this hands-on lab you will learn how to create a different markdown cells.

### Special note about the lab environment:

These Jupyter notebooks labs now use the latest environment: **JupyterLab**, which uses the same .ipynb Jupyter notebook files.

### Exercise 1 - Create a new notebook in Python

1. In the next section click on **Open Tool** to access the Skills Network virtual lab environment.

### Exercise 2 - Write and execute code

1. In your new empty notebook (from Exercise 1), click within the gray code cell and write some code, like `1 + 1`.
2. Execute the code, by either clicking the Play button in the menu above the notebook, or by pressing Shift+Enter on your notebook.
3. You should see in the output, `2`.
4. Try executing other code (try simple math operations).

Great! Now you know how to write and run code in Jupyter Notebooks.

### Exercise 3 - Create new cells

1. In your Jupyter notebook, first **click on any of the existing cells** to select the cell.
2. From the menu, click on *Insert*, then *Insert Cell Above* or *Insert Cell Below*.
3. Great! Now you know how to insert new cells in Jupyter Notebooks. Note you can use the keyboard shortcuts: [a] - Insert a Cell Above; [b] - Insert a Cell Below.

### Exercise 4 - Create Markdown cells and add text

In your notebook, click on any code cell, and in the drop-down menu in the menu above, change the cell type from *Code* to *Markdown*. As you'll notice, you cannot create Markdown cells without first creating cells and converting them from *Code* to *Markdown*.

In the Markdown cell, write some text like *My Title*.

To render the Markdown text, make sure the cell is selected (by clicking within it), and press Play in the menu, or Shift+Enter.

Your Markdown cell should now be rendered!

To edit your Markdown cell, double-click anywhere within the cell. Note you can use the keyboard shortcut: [m] - Convert Cell to Markdown

*Please note that practice exercises are not graded, and you do not need submit anything.*

**Passed** 100%

This course uses a third-party tool, Lab - Jupyter Notebook - The Basics, to enhance your learning experience. The tool will reference basic information like your name, email, and Coursera ID.

## Change log

Date	Version	Changed by	Change Description
2020-12-01	2.1	Aije Egwaikhide	Updated exercise 1 for accessing SN labs from Coursera

Date	Version	Changed by	Change Description
2020-10-01	2.0	Malika Singla	Moved lab to course repo in GitLab

© IBM Corporation 2020. All rights reserved.